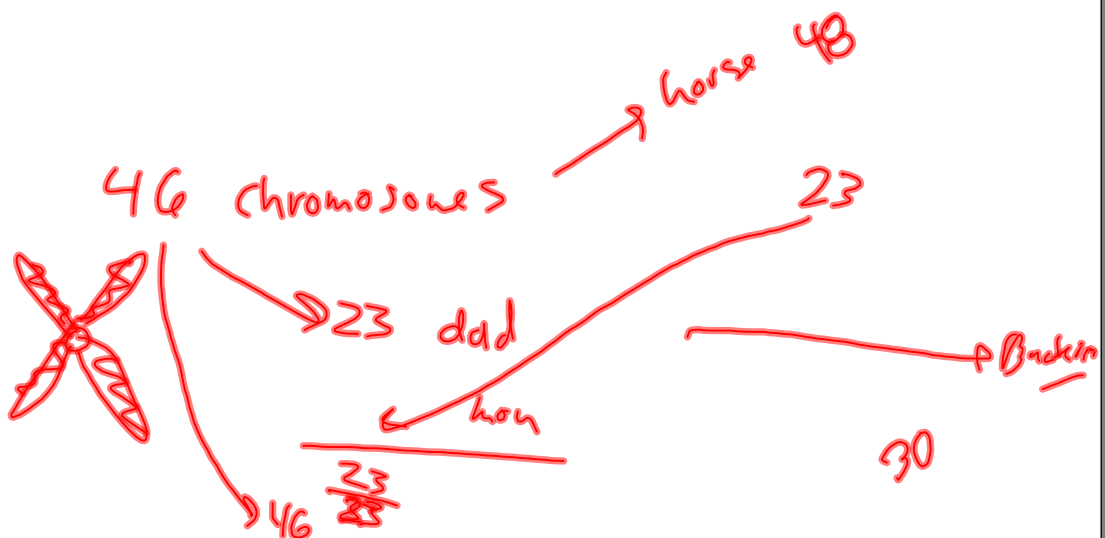




Bellringer

- why weren't cells discovered until 1665?
- What technology/invention made it possible to "discover" cells?
- What was the significance of discovering cells?]

Sep 17-1:20 PM



Sep 17-1:37 PM

Life Science Bellringer

- Name the 3 parts of cell theory.
 - all cells are from existing cells
 - cells = basic unit of life
 - all organisms are made of 1 or more cells
- What limits the size of cells?
- What is the difference between a eukaryote and a prokaryote?
 - ← Bacteria
 - many cells

Sep 17-1:28 PM

- Diet for 2 days
try to identify
→ carbs, proteins, fats (lipids)
- ★ Tell me was diet healthy? Why? ★

Journals Mon
~~~~~

Sep 18-2:03 PM

Title

Introduction

Data

Results

Conclusion

Sep 18-2:06 PM

Bellringer

→ What are the three types of Archaea?

Salt  
water  
heat

→ What is the difference between a eukaryote + a prokaryote?

→ What is an organelle?

↓ bacteria  
nucleus

Sep 19-1:19 PM

$$\frac{12}{14} \rightarrow \text{decimal} \times 100 \rightarrow \%$$

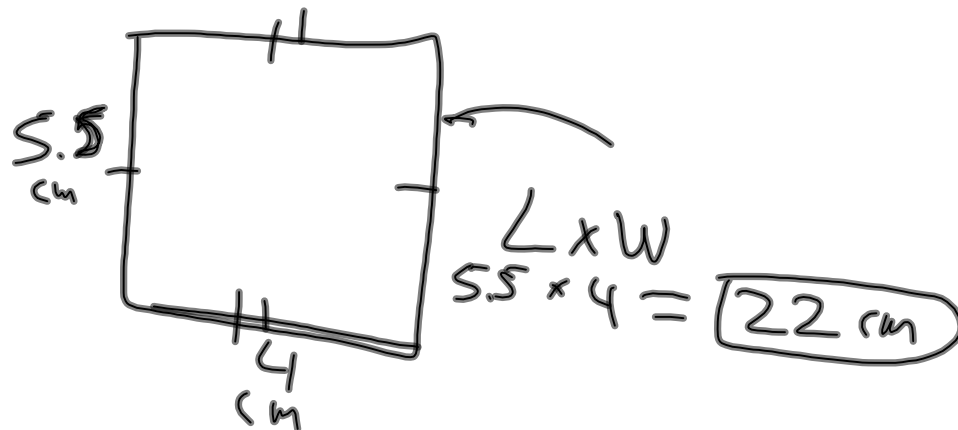
Sep 19-1:29 PM

Bellringer

→ How are plant cells  
different from animal  
cells?

→ How are prokaryotes different  
than eukaryotes? Be specific.

Sep 19-1:30 PM



Sep 23-1:30 PM

hypothesis - testable idea or prediction

theory - idea that has been tested  
 supported <sup>many times</sup> by experiments

Law - rule of nature

Sep 23-1:32 PM

## Observations

"Dichotomous Key"

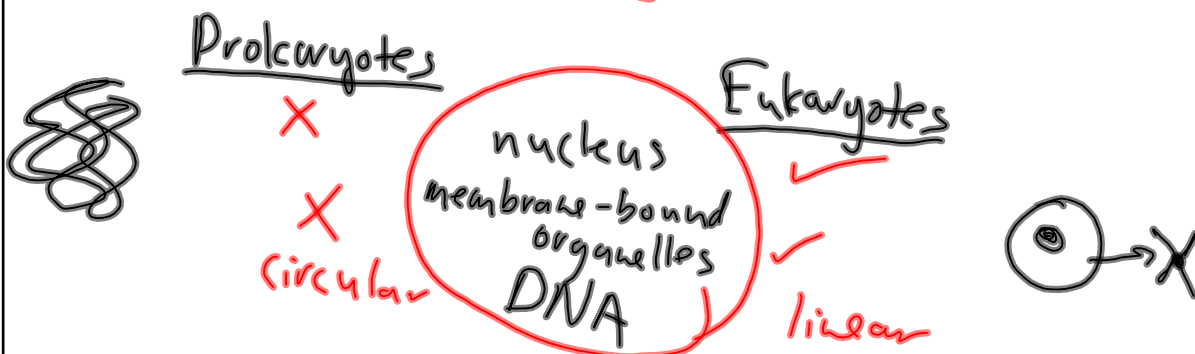
The bird was grey, about a foot tall,  
had blue on it wings,

- 1. Is the bird grey  
a. If yes go to question 2  
b. If no go to question 3

Sep 23-1:36 PM

## Bellringer

→ List 3 differences  
between prokaryotes  
+  
eukaryotes.



Sep 26-1:19 PM

Sep 26-1:27 PM

# Intro to Cells Review

Grade: 7<sup>th</sup>  
Subject: Life Science  
Date:

Sep 16-4:47 PM

- 1 Tiny, round organelles made of protein and other material are ribosomes.

True

False

Sep 16-6:28 PM

- 2 The fluid inside the cell is called...

Sep 16-6:28 PM



3 The reason that most cells are limited to a very small size is the surface-area to volume ratio.

True

False

Sep 16-6:29 PM

4 The protective layer that covers the cell's surface and acts as a barrier is the cell \_\_\_\_\_.

membrane  
animal

wall  
plant

Sep 16-6:29 PM

5 Small bodies in a cell's cytoplasm that are specialized to perform specific functions are called ~~prokaryotes~~.

*organelles*

True

False

Sep 16-6:30 PM

6 Archaea includes extremophiles, which means that they live in extreme conditions. Also, they are prokaryotes.

True

False

Sep 16-6:31 PM

- 7 An organism that consists of a single cell that does not have a nucleus or membrane-bound organelles ~~are~~ is known as prokaryotes.

Sep 16-6:32 PM

- 8 An organism made up of cells that have membrane-bound organelles and a nucleus enclosed by a membrane is a eukaryote.

True

False

Sep 16-6:33 PM

Bellringer

- What are the levels of organization for life?  
Cell → tissue → organs → organism
- Describe the function for the following cell organelles:
- 1) Mitochondria - makes energy
  - 2) Golgi Apparatus - packaging / processing
  - 3) Nucleus (Eukaryotes) - DNA
  - 4) Ribosomes - makes proteins

Sep 30-1:07 PM

## 3.2 Review

Grade: 7th  
Subject: Life Science  
Date:

Sep 26-1:33 PM

1 A rigid structure that gives support to a plant cell is the \_\_\_\_\_.

Sep 29-5:21 PM

2 The ribosome is the organelle that makes proteins

True

False

Sep 29-5:22 PM

3 The organelle in which photosynthesis takes place is the \_\_\_\_\_.

Sep 29-5:23 PM

4 The cell membrane is the structure in the cell that is the power source of the cell; it breaks sugar down to produce energy.

True

False

Sep 29-5:24 PM

5 A large organelle that produces and stores the cell's DNA is the \_\_\_\_\_.

Sep 29-5:24 PM

6 The endoplasmic reticulum (E.R) is a system of folded membranes that moves substances in the cell.

True

False

Sep 29-5:25 PM

7 The \_\_\_\_\_ is an organelle that contains digestive enzymes for converting food into wastes.

Sep 29-5:26 PM

cell → tissue → organs →  
organ system → organism

Oct 1-1:34 PM



## 3.3 Review

Grade: 7<sup>th</sup>  
Subject: Life Science  
Date: 10/1

Sep 30-1:37 PM

1 Human beings are ...

- A machines
- B systems
- C organisms
- D protists

Oct 1-1:19 PM

2 An organ consists of...

- A two or more tissues
- B a group of cells
- C two or more systems
- D nerves and muscles

Oct 1-1:20 PM

3 A group of cells with the same function make up makes up a \_\_\_\_\_

Oct 1-1:27 PM

4 The highest level of organization is the...

Oct 1-1:27 PM

5 An organ system has...

- A one kind of tissue
- B only one function
- C two or more organs
- D one main kind of cell

Oct 1-1:28 PM

6 The life span of a multicellular organism is...

- A only as long as the life of one cell
- B shorter than that of a single-celled organism
- C not limited to the life of a single cell
- D the same in every cell

Oct 1-1:29 PM